What is claimed is:

1.   An object managing apparatus managing an object used by an application program including one or more components, in a component base that is a base for configuring and executing the application program, comprising:

a selecting device selecting an object managing method suitable for a type of a component, from a plurality of object managing methods that are prepared in advance; and

a switching device switching in the component base, at least one of an object caching part that caches a persistence object corresponding to data of an external storage using a specified algorithm and an object persistence processing part performing conversion between the data of the external storage and the persistence object, with a part corresponding to the selected object managing method.

2.   The object managing apparatus according to claim 1, wherein

the switching device automatically generates a program of the part corresponding to the selected object managing method, and incorporates the program in the

object managing apparatus.

3.　　The object managing apparatus according to claim 1, wherein

the switching device selects the part corresponding to the selected object managing method from a part group that is prepared in advance, and incorporates the selected part in the object managing apparatus.

4.　　The object managing apparatus according to claim 1, wherein

the selecting device selects the object managing method that is designated by a user.

5,　　The object managing apparatus according to claim 1, wherein

the selecting apparatus selects the object managing method that is designated by the application program.

6.　　The object managing apparatus according to claim 1, wherein

the selecting device includes an input device inputting usage information of the component, and selects

the object managing method based on the usage information.

7.   The object managing apparatus according to claim 1, wherein

the switching device has a cache table caching an object for each transaction, and uses an object caching part that registers an object in the cache table after a transaction starts, and clears the cache table when the transaction terminates, as the part corresponding to the selected object managing method.

8.   The object managing apparatus according to claim 1, wherein

the switching apparatus has a cache table common to all transactions, and uses an object caching part which does not clear the cache table but makes the other transaction use an object on the cache table when one transaction terminates, as the part corresponding to the selected object managing method.

9.   The object managing apparatus according to claim 1, wherein

the switching device uses an object caching part that writes data of an object being used by the application

program in the external storage, and sets next data to the object being used, thereby returning the data to the application program when the application program requests acquisition of an object to be processed, as

5   the part corresponding to the selected object managing method.

10.   The object managing apparatus according to claim 1, wherein

10   the switching device uses the object caching part that caches all data of the external storage in advance before the application program requests an object to be processed, as the part corresponding to the selected object managing method.

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11.   The object managing apparatus according to claim 1, wherein

the switching device uses an object caching part that registers an interface related to the persistence

20   object, and reuses the interface together with the persistence object, as the part corresponding to the selected object managing method.

12.   The object managing apparatus according to claim

25   1, further comprising a designating device designating

one or more data items suitable for the type of the component, wherein

the switching device uses an object persistence processing part that performs conversion between data

5 of the external storage and the persistence object regarding designated data items of the persistence object, as the part corresponding to the selected object managing method.

10 13. An object managing apparatus managing an object used by an application program including one or more components, in a component base that is a base for configuring and executing the application program, comprising:

15 a storing device storing schedule information for selecting an object managing method suitable for a type of a component, from a plurality of object managing methods that are prepared in advance; and

a switching device switching in the component base,

20 at least one of an object caching part that caches a persistence object corresponding to data of an external storage using a specified algorithm and an object persistence processing part performing conversion between data of the external storage and the persistence object, with a part corresponding to the suitable object

25 object, with a part corresponding to the suitable object

managing method based on the schedule information.

14.   A computer readable recording medium storing a program for a computer that manages an object used by an application program including one or more components, in a component base that is a base for configuring and executing the application program, the stored program causes the computer to perform:

selecting an object managing method suitable for a type of a component, from a plurality of object managing methods that are prepared in advance; and

switching in the component base, at least one of an object caching part that caches a persistence object corresponding to data of an external storage using a specified algorithm and an object persistence processing part performing conversion between data of the external storage and the persistence object, with a part corresponding to the selected object managing method.

15.   A managing method managing an object used by an application program including one or more components, in a component base that is a base for configuring and executing the application program, comprising:

preparing a plurality of object managing methods in advance;

selecting an object managing method suitable for a type of a component, from the plurality of object managing methods;

5   automatically switching in the component base, at least one of an object caching part that caches a persistence object corresponding to data of an external storage using a specified algorithm and an object persistence processing part performing conversion between data of the external storage and the persistence

10   object, with a part corresponding to the selected object managing method; and

managing an object used by the application program using the part corresponding to the selected object managing method.

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16.   A propagating signal propagating a program for a computer managing an object used by an application program including one or more components in a component base that is a base for configuring and executing the

20   application program, to the computer, the propagated program causes the computer to perform:

selecting an object managing method suitable for a type of a component, from a plurality of object managing methods; and

25   switching in the component base, at least one of

an object caching part that caches a persistence object corresponding to data of an external storage using a specified algorithm and an object persistence processing part performing conversion between data of the external

5   storage and the persistence object, with a part corresponding to the selected object managing method.

17.   An object managing apparatus managing an object used by an application program including one or more

10   components, in a component base that is a base for configuring and executing the application program, comprising:

selecting means for selecting an object managing method suitable for a type of a component, from a plurality

15   of object managing methods that are prepared in advance; and

switching means for switching in the component base, at least one of an object caching part that caches a persistence object corresponding to data of an external

20   storage using a specified algorithm and an object persistence processing part performing conversion between the data of the external storage and the persistence object, with a part corresponding to the selected object managing method.

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